

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
ATTY. DOCKET NO. 50088-10

In re Patent Application of Mohiuddin Mala et al

Serial No.

Group Art Unit:

Filed:

Examiner:

For: A MICRO-ELECTRO-MECHANICAL TWO DIMENSIONAL MIRROR WITH  
ARTICULATED SUSPENSION STRUCTURES FOR HIGH FILL FACTOR ARRAYS

**INFORMATION DISCLOSURE STATEMENT**

This Information Disclosure Statement is being filed in the manner prescribed by 37 CFR 1.97(b) - (d) to satisfy the duty under 37 CFR 1.56 to disclose to the Office information, known to individuals associated with the filing and prosecution of the subject application, which is material to the examination of the application.

In accordance with 37 CFR 1.97(g) and (h), this statement is not to be construed as a representation that a search has been made or an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 CFR 1.56(b).

This information disclosure statement is being filed within three months of the filing date of a national application, within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; or before the mailing date of a first official action on the merits and therefore applicant respectfully requests consideration under 37 CFR 1.97(b).

In compliance with 37 CFR 1.98(a)(1), a list of all patents, publications or other information submitted for consideration by the Office is hereby provided by way of the attached Form PTO 1449.

In compliance with 37 CFR 1.98(a)(2), also enclosed is a legible copy of:


- i) each United States and foreign patent;
- ii) each publication or that portion which caused it to be listed; and
- iii) all other information or that portion which caused it to be listed, excluding any copies of a United States patent application.

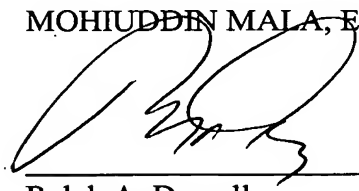
It is respectfully requested that the information be expressly considered by the Examiner and that the references be made of record and appear among the "References Cited" on any patent to issue therefrom.

The Patent Office is hereby authorized to charge any deficiency, or credit any overpayment in fees to Deposit Account Number 19-2550.

Respectfully submitted,

MOHIUDDIN MALA, ET AL

  
Dated: April 19, 2004

  
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Ralph A. Dowell  
Reg. No. 26,868

Encls.: Form PTO-1449  
All non-patent references listed on Form PTO-1449  
Acknowledgement Card

<b>Form PTO-1449 (Modified)</b>  <b>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b> (Use several sheets if necessary)	Atty. Docket No. 50088-10	Serial No.
	Applicant Mohiuddin Mala et al	
	Filing Date	Group

**REFERENCE DESIGNATION U.S. PATENT DOCUMENTS**

EXAM. INIT.		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROPRIATE
	AA	0	0	7	1	1	6	9	June 13, 2002	Bowers, John E. et al	359	291	
	AB	5	5	3	5	0	4	7	July 9, 1996	Hornbeck	359	295	
	AC	5	6	6	1	5	9	1	Aug 26, 1997	Lin et al.	359	290	
	AD	6	4	8	0	3	2	0	Nov 12, 2002	Nasiri	359	291	
	AE	5	0	6	1	0	4	9	Oct 29, 1991	Hornbeck	359	224	
	AF	5	0	7	9	5	4	5	Jan 7, 1992	Priem et al.	340	747	
	AG	5	1	0	5	3	6	9	Apr 14, 1992	Nelson	364	525	
	AH	5	2	7	8	6	5	2	Jan 11, 1994	Urbanus et al.	358	160	
	AI	4	6	6	2	7	4	6	May 5, 1987	Hornbeck	350	269	
	AJ	4	7	1	0	7	3	2	Dec 1, 1987	Hornbeck	332	7.51	
	AK	4	9	5	6	6	1	9	Sept 11, 1990	Hornbeck	330	4.3	
	AL	5	1	7	2	2	6	2	Dec 15, 1992	Hornbeck	359	223	
	AM	5	0	8	3	8	5	7	Jan 28, 1992	Hornbeck	359	291	
	AN	5	4	6	9	3	0	2	Nov 21, 1995	Lim	359	846	
	AO	0	0	7	5	5	5	4	June 20, 2002	Brophy, Christopher, et al	359	291	

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
													YES	NO

**OTHER ART (including Author, Title, Date, Pertinent Pages, Etc.)**

AP		Thor Juneau, et al.; SINGLE-CHIP 1x84 MEMS MIRROR ARRAY FOR OPTICAL TELECOMMUNICATION APPLICATIONS; Proceedings of SPIE, MOEMS and Miniaturized Systems III, 27-29 January 2003, Vol. 4983, pp. 53-64.
AQ		SOI MUMPS ( <a href="http://www.memsrus.com/figs/soimumps.pdf">http://www.memsrus.com/figs/soimumps.pdf</a> ) from Cronos (MEMScAP subsidiary).
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.